



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/776,874
				Filing Date	February 6, 2001
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
				Attorney Docket Number	01/21603
Sheet	1	of	33		
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US-2001/0006630	05-Jul-2001	Yacobi-Zeevi et al.	
	2	US-2002/0068061	06-Jun-2002	Peretz et al.	
	3	US-2002/0088019	04-Jul-2002	Yacoby-Zeevi	
	4	US-2002/0102560	01-Aug-2002	Pecker et al.	
	5	US-2002/0114801	22-Aug-2002	Pecker et al.	
	6	US-2002/0168749	14-Nov-2002	Pecker et al.	
	7	US-2002/0194625	19-Dec-2002	Zcharia et al.	
	8	US-2003/0031660	13-Feb-2003	Yacobi-Zeevi et al.	
	9	US-2003/0068806	10-Apr-2003	Ayal-HersHKovitz et al.	
	10	US-2003/0161823	28-Aug-2003	Ilan et al.	
	11	US-2003/0163836	28-Aug-2003	Garofalo et al.	
	12	US-2003/0170860	11-Sep-2003	Pecker et al.	
	13	US-2003/0181687	25-Sep-2003	Peretz et al.	
	14	US-2003/0190737	09-Oct-2003	Pecker et al.	
	15	US-2003/0217375	20-Nov-2003	Zcharia et al.	
	16	US-2004/0063135	01-Apr-2004	Pecker et al.	
	17	US-2004/0142427	22-Jul-2004	Pecker et al.	
	18	US-2004/0146497	29-Jul-2004	Ilan et al.	
	19	US-2004/0146925	29-Jul-2004	Pecker et al.	
	20	US-2004/0213789	28-Oct-2004	Yacobi-Zeevi et al.	
	21	US-2005/0260187	24-Nov-2005	Ilan et al.	
	22	US-2006/0008892	12-Jan-2006	Yacobi-Zeevi et al.	
	23	US-2006/0269552	30-Nov-2006	Yacobi-Zeevi et al.	
	24	US-2,295,323	08-Sep-1942	Armstrong	
	25	US-4,117,841	03-Oct-1978	Perrotta et al.	
	26	US-4,455,296	19-Jun-1984	Hansen et al.	
	27	US-4,683,195	28-Jul-1987	Mullis et al.	
	28	US-4,859,581	22-Aug-1989	Nicholson et al.	
	29	US-4,882,318	21-Nov-1989	Vlodavsky et al.	
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(06/11/2008)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.H./ (06/11/2008)

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	30	US-4,937,747	26-Jun-1990	Koller	
	31	US-4,946,778	08-Aug-1990	Ladner et al.	
	32	US-5,129,877	14-Jul-1992	Gallo et al.	
	33	US-5,145,679	08-Sep-1992	Hinson	
	34	US-5,194,596	16-Mar-1993	Tischer et al.	
	35	US-5,206,223	27-Apr-1993	Vlodavsky et al	
	36	US-5,332,812	26-Jul-1994	Nicolson et al.	
	37	US-5,350,836	27-Sep-1994	Kopchick et al.	
	38	US-5,360,735	01-Nov-1994	Weinshank et al.	
	39	US-5,399,351	21-Mar-1995	Leshchiner et al	
	40	US-5,474,983	12-Dec-1995	Kuna et al.	
	41	US-5,550,116	27-Aug-1996	Lormeau et al.	
	42	US-5,580,862	03-Dec-1996	Rosen et al.	
	43	US-5,589,604	31-Dec-1996	Drohan et al.	
	44	US-5,600,366	04-Feb-1997	Schulman	
	45	US-5,602,095	11-Feb-1997	Pastan et al.	
	46	US-5,618,709	08-Apr-1997	Gewirtz et al.	
	47	US-5,656,595	12-Aug-1997	Schweighoffer et al.	
	48	US-5,667,501	16-Sep-1997	Fowler et al.	
	49	US-5,688,679	18-Nov-1997	Powell	
	50	US-5,700,671	23-Dec-1997	Prieto et al.	
	51	US-5,714,345	03-Feb-1998	Clark	
	52	US-5,716,817	10-Feb-1998	T?rnell	
	53	US-5,736,137	07-Apr-1998	Anderson et al.	
	54	US-5,739,115	14-Apr-1998	Fugedi et al	
	55	US-5,799,276	25-Aug-1998	Komissarchik et al.	
	56	US-5,799,311	25-Aug-1998	Agrawal et al.	
	57	US-5,830,759	03-Nov-1998	Chang et al.	
	58	US-5,859,660	12-Jan-1999	Perkins et al.	
	59	US-5,859,929	12-Jan-1999	Zhou et al.	
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	60	US-5,917,830	29-Jun-1999	Chen et al.	
	61	US-5,962,321	05-Oct-1999	Gough et al.	
	62	US-5,968,822	19-Oct-1999	Pecker et al.	
	63	US-5,997,863	07-Dec-1999	Zimmermann et al.	
	64	US-6,020,931	01-Feb-2000	Bilbrey et al.	
	65	US-6,140,552	31-Oct-2000	Deboer et al.	
	66	US-6,153,187	28-Nov-2000	Yacoby-Zeevi	
	67	US-6,177,545	13-Jan-2001	Pecker et al.	
	68	US-6,190,875	20-Feb-2001	Ben-Artzi et al.	
	69	US-6,226,792	01-May-2001	Goiffon et al.	
	70	US-6,230,151	08-May-2001	Agrawal et al.	
	71	US-6,242,238	05-Jun-2001	Freeman et al.	
	72	US-6,307,965	23-Oct-2001	Aggarwal et al.	
	73	US-6,314,420	06-Nov-2001	Lang et al.	
	74	US-6,348,344	19-Feb-2002	Ayal-HersHKovitz et al.	
	75	US-6,387,643	14-May-2002	Heinrikson et al.	
	76	US-6,423,312	23-Jul-2002	Yacoby-Zeevi	
	77	US-6,426,209	30-Jul-2002	Ayal-HersHKovitz et al.	
	78	US-6,475,763	05-Nov-2002	Ayal-HersHKovitz et al.	
	79	US-6,531,129	11-Mar-2003	Pecker et al.	
	80	US-6,562,950	13-May-2003	Peretz et al.	
	81	US-6,664,105	16-Dec-2003	Pecker et al.	
	82	US-6,699,672	02-Mar-2004	Pecker et al.	
	83	US-6,790,658	14-Sep-2004	Pecker et al.	
	84	US-6,798,658	28-Sep-2004	Takedomi et al.	
	85	US-6,800,441	05-Oct-2004	Pecker et al.	
	86	US-6,946,131	20-Sep-2005	Peretz et al.	
	87	US-6,960,471	01-Nov-2005	Pecker et al.	
	88	US-6,986,996	17-Jan-2006	Pecker et al.	
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FOREIGN PATENT DOCUMENTS						
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	89	EP 0254067	27-Jan-1988	Cohen et al.		
	90	EP 0998569	10-May-2000	Pecker et al.		
	91	IL 133264	30-Apr-2001	Pecker et al.		
	92	AU 735116	28-Jun-2001	Pecker et al.		
	93	AU 768820	08-Jan-2004	Ben-Artzi et al.		
	94	PCT WO 00/03036	20-Jan-2000	Ben-Artzi et al.		
	95	PCT WO 00/25817	11-May-2000	Peretz et al.		
	96	PCT WO 00/52149	08-Sep-2000	Yacobi-Zeevi		
	97	PCT WO 00/52178	08-Sep-2000	Pecker et al.		
	98	PCT WO 01/00643	04-Jan-2001	Pecker et al.		
	99	PCT WO 02/19962	14-Mar-2002	Ilan et al.		
	100	PCT WO 02/32283	25-Apr-2002	Yacoby-Zeevi		
	101	PCT WO 03/006645	23-Jan-2003	Bohlen et al.		
	102	PCT WO 2004/108065	16-Dec-2004	Yacobi-Zeevi et al.		
	103	PCT WO 88/01280	25-Feb-1988	Nicolson et al.		
	104	PCT WO 91/02977	07-Mar-1991	Fuks et al.		
	105	PCT WO 91/19197	12-Dec-1991	Nicolson et al.		
	106	PCT WO 92/01003	23-Jan-1992	Nicolson et al.		
	107	PCT WO 95/04518	16-Feb-1995	Midha et al.		
	108	PCT WO 97/11684	03-Apr-1997	Bennett et al.		
	109	PCT WO 97/27327	31-Jul-1997	Van Ness et al.		
	110	PCT WO 98/03638	29-Jan-1998	Freeman et al.		
	111	PCT WO 98/46258	22-Oct-1998	Bhaskar et al.		
	112	PCT WO 99/11798	11-Mar-1999	Pecker et al.		
	113	PCT WO 99/18852	22-Apr-1999	Arenson		
	114	PCT WO 99/21975	06-May-1999	Freeman et al.		
	115	PCT WO 99/40207	12-Aug-1999	Nakajima et al.		
	116	PCT WO 99/48478	30-Sep-1999	Yacoby-Zeevi		
	117	PCT WO 99/57153	11-Nov-1999	Pecker et al.		
	118	PCT WO 99/57244	11-Nov-1999	Ben-Artzi et al.		
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	119	Abaza et al. "Effects of Amino Acid Substitutions Outside An Antigenic Site on Protein Binding to Monoclonal Antibodies of Predetermined Specificity Obtained by Peptide Immunization: Demonstration With Region 94-100 (Antigenic Site 3) of Myoglobin", Journal of Protein Chemistry, 11(5): 433-444, 1992.			
	120	Abrahamsohn et al. "Implantation and Decidualization in Rodents", J. Exp. Zool., 266(6): 603-628, 1993. Abstract.			
	121	Adams et al. "Initial Assessment of Human Gene Diversity and Expression Patterns Based Upon 83 Million Nucleotides of cDNA Sequence", Nature, 377(6547): 3-174, 1995. GenBank Entry AA304653, 1997.			
	122	Agrawal "Antisense Oligonucleotides: Towards Clinical Trials", TIBTech, Trends in Biotechnology, 14: 376-387, 1996.			
	123	Albus et al. "Staphylococcus Aureus Capsular Types and Antibody Response to Lung Infection in Patients With Cystic Fibrosis", J. Clin. Microbiol., 26(12): 2505-2509, 1988. Abstract.			
	124	Alexander et al. "Complete Sequence of the Bovine γ -Lactoglobulin cDNA", Nucleic Acids Research, 17(16): 6739-6744, 1989.			
	125	Allen "Opportunities for the Use Aerosolized α 1 - Antitrypsin for the Treatment of Cystic Fibrosis", Chest, 110: 256S-260S, 1996.			
	126	Allison et al. "Polysaccharide Production in Pseudomonas Cepacia", J. Basic. Microbiol., 34(1): 3-10, 1994. Abstract.			
	127	Alvarez-Dominguez et al. "Host Cell Heparan Sulfate Proteoglycans Mediate Attachment and Entry of Listeria Monocytogenes, and the Listerial Surface Protein ActA Is Involved in Heparan Sulfate Receptor Recognition", Infection & Immun., 65(1): 78-88, 1997. Abstract.			
	128	Anatolii "Hyaluronic Capsule as One of the Factors of Hemolytic Streptococcus Pathogenicity", Chem. Abstracts 86(17): 339, 1977. Abstr. 118714 in Zh. Mikrobiol. Epidemiol. Immunobiol., 2: 22-27, 1977.			
	129	Aoki et al. "In Vivo Transfer Efficiency of Antisense Oligonucleotides Into the Myocardium Using HVJ-Liposome Method", Biochemical and Biophysical Research Communications, 231: 540-545, 1997.			
	130	Aplin "Adhesion Molecules in Implantation", Reviews of Reproduction, 2(2): 84-93, 1997.			
	131	Armstrong et al. "Lower Airway Inflammation in Infants and Young Children With Cystic Fibrosis", Am. J. Respir. Crit. Care Med., 156(4 Pt.1): 1197-1204, 1997. Abstract.			
	132	Asagoe et al. "Effect of Heparin on Infection of Cells by Equine Arteritis Virus", J. Vet. Med. Sci., 59(8): 727-728, 1997. Abstract.			
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	133	Aspenberg et al. "Dose-Dependent Stimulation of Bone Induction by Basic Fibroblast Growth Factor in Rats", Acta Orthop. Scand., 62(5): 481-484, 1991. Abstract.			
	134	Aspenberg et al. "Fibroblast Growth Factor Stimulates Bone Formation. Bone Induction Studied in Rats", Acta Orthop. Scand., 60(4): 473-476, 1989. Abstract.			
	135	Aviezer et al. "Differential Structural Requirements of Heparin and Heparan Sulfate Proteoglycans That Promote Binding of Basic Fibroblast Growth Factor to Its Receptor", J. Biol. Chem., 269(1): 114-121, 1994.			
	136	Azghani et al. "A Beta-Linked Mannan Inhibits Adherence of Pseudomonas Aeruginosa to Human Lung Epithelial Cells", Glycobiology, 5(1): 39-44, 1995. Abstract.			
	137	Barghouthi et al. "Nonopsonic Phagocytosis of Pseudomonas Aeruginosa Requires Facilitated Transport of D-Glucose by Macrophages", J. Immunol., 154(7): 3420-3428, 1995. Abstract.			
	138	Bartlett et al. "Comparative Analysis of the Ability of Leucocytes, Endothelial Cells, and Platelets to Degrade the Subendothelial Basement Membrane: Evidence for Cytokine Dependence and Detection of A Novel Sulfatase", Immunology and Cell Biol., 73: 113-124, 1995.			
	139	Basu et al. "Analysis of Glycosphingolipids by Fluorophore-Assisted Carbohydrate Electrophoresis Using Ceramide Glycanase From Mercenaria Mercenaria", Analytical Biochemistry, 222: 270-274, 1994.			
	140	Bean et al. "Fertilization In Vitro Increases Non-Disjunction During Early Cleavage Divisions in A Mouse Model System", Human Reproduction, 17(9): 2362-2367, 2002. Abstract.			
	141	Benathan et al. "Living Epidermal and Dermal Substitutes for Treatment of Severely Burned Patients", Rev. Med. Suisse Romande, 118(2): 149-153, 1998. Abstract-Art. in French.			
	142	Bendayan "Possibilities of False Immunocytochemical Results Generated by the Use of Monoclonal Antibodies: The Example of the Anti-Proinsulin Antibody", J. Histochem. Cytochem. 43: 881-886, 1995.			
	143	Bendig et al. "Humanization of Rodent Monoclonal Antibodies by CDR Grafting", Methods in Enzymology, 8: 83-93, 1995.			
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				Filing Date	February 6, 2001
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
Sheet	7	Of	33	Attorney Docket Number	01/21603
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	144	Benezra et al. "Antiproliferative Activity to Vascular Smooth Muscle Cells and Receptor Binding of Heparin-Mimicking Polyaromatic Anionic Compounds", Arteriosclerosis and Thrombosis, 14(12): 1992-1999, 1993.			
	145	Benezra et al. "Reversal of Fibroblast Growth Factor-Mediated Autocrine Cell Transformation by Aromatic Anionic Compounds", Cancer Research, 52: 5656-5662, 1992.			
	146	Benezra et al. "Thrombin Enhances the Degradation of Heparan Sulfate in the Extracellular Matrix by Tumor Cell Heparanase", Exptl. Cell. Res., 201: 208-215, 1992.			
	147	Benjamin et al. "A Plasticity Window for Blood Vessel Remodelling Is Defined by Pericyte Coverage of the Preformed Endothelial Network and Is Regulated by PDGF-B and VEGF", Development, 125: 1591-1598, 1998.			
	148	Bennett et al. "Effect of Uridine 5'-Triphosphate Plus Amiloride on Mucociliary Clearance in Adult Cystic Fibrosis", Am. J. Respir. Crit. Care Med., 153(6 Pt.1): 1796-1801, 1996. Abstract.			
	149	Berkow "The Merck Manual", Merck Research Laboratories, P.201, 204, 1308, 177-179, 1016-1017, 194-197, 885, 601, 1997.			
	150	Beuth et al. "Lectin-Mediated Bacterial Adhesion to Human Tissue", Eur. J. Clin. Microbiol., 6(5): 591-593, 1987. Abstract.			
	151	Bhaskar et al. "Dysregulation of Proteoglycan Production by Intrahepatic Biliary Epithelial Cells Bearing Defective (Delta-f508) Cystic Fibrosis Transmembrane Conductance Regulator", Hepatology, 27(1): 7-14, 1998. Abstract.			
	152	Bischof et al. "The Regulation of Endometrial and Trophoblastic Metalloproteinases During Blastocyst Implantation", Contracept Fertil Sex, 22(1): 48-51, 1994. Abstract.			
	153	Blanguaert et al. "CMDBS, Functional Analogs of Sulfate Heparanes, Used as Osseous Cicatrizing Agents", Ann. Endocrinol., 55(2): 121-123, 1994. Abstract.			
	154	Blanguaert et al. "Heparan-Like Molecules Induce the Repair of Skull Defects", Bone, 17(6): 499-506, 1995. Abstract.			
	155	Boat et al. "Biochemistry of Airway Mucus Secretions", Fed. Proc., 39(13): 3067-3074, 1980. Abstract.			
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	156	Boat et al. "Epithelial Cell Dysfunction in Cystic Fibrosis: Implications for Airways Disease", Acta Paediatr. Scand. Suppl., 363: 25-29, 1989.			
	157	Bork "Go Hunting in Sequence Databases But Watch Out for the Traps", Trends in Genetics, 12(10): 425-427, 1996.			
	158	Bork "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", Genome Research, 10 : 398-400, 2000.			
	159	Bost et al. "Antibodies Against A Peptide Sequence Within the HIV Envelope Protein Crossreacts With Human Interleukin-2", Immunol. Invest., 17: 577-586, 1988.			
	160	Boucher et al. "Mucoid Pseudomonas Aeruginosa in Cystic Fibrosis: Characterization of Muc Mutations in Clinical Isolates and Analysis of Clearance in A Mouse Model of Respiratory Infection", Infect. Immun., 65(9): 3838-3846, 1997. Abstract.			
	161	Boucher et al. "Two Distinct Loci Affecting Conversion to Mucoidy Pseudomonas Aeruginosa in Cystic Fibrosis Encode Homologs of the Serine Protease HtrA", J. Bacteriol., 178(2): 511-523, 1996. Abstract.			
	162	Bowie et al. "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", Science, 247: 1306-1310, 1990.			
	163	Brenner "Errors in Genome Annotation", Trends in Genetics, 15(4): 132-133, 1999.			
	164	Brinster et al. "Restoration of Fertility by Germ Cell Transplantation Requires Effective Recipient Preparation", Biology of Reproduction 69: 412-420, 2003. Abstract.			
	165	Burch et al. "Oligodeoxynucleotides Antisense to the Interleukin 1 Receptor mRNA Block the Effects of Interleukin I in Cultured Murine and Human Fibroblasts and in Mice", Journal of Clinical Investigation, 88: 1190, 1991. Abstract.			
	166	Burrows et al. "Trophoblast Migration During Human Placental Implantation", Hum. Reprod. Update, 2(4): 307-321, 1996.			
	167	Cai et al. "Comparison of Sputum Processing Techniques in Cystic Fibrosis", Pediatr. Pulmonol., 22(6): 402-407, 1996. Abstract.			
	168	Calabretta et al. "Normal and Leukemic Hematopoietic Cell Manifest Differential Sensitivity to Inhibitory Effects of C-myc Antisense Oligodeoxynucleotides: An In Vitro Study Relevant to Bone Marrow Purging", Proc. Natl. Acad. Sci. USA, 88: 2351-2355, 1991.			
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Application Number	09/776,874
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	169	Campbell et al. "Comparison of the Whey Acidic Protein Genes of the Rat and Mouse", Nucleic Acids Res., 12(22): 8685-8697, 1984.	
	170	Carlone et al. "Embryonic Modulation of Basic Fibroblast Growth Factor in the Rat Uterus", Biology of Reproduction, 49(4): 653-665, 1993.	
	171	Carpentier et al. "DNA Vaccination With HuD Inhibits Growth of A Neuroblastoma in Mice", Clinical Cancer Research, 4: 2819-2824. 1998.	
	172	Carson et al. Mucin and Proteoglycan Functions in Embryo Implantation", BioEssays, 20(7): 577-583, 1998. Abstract, P.580, Col.2, § 2, P.582, Col 1, Fig.1.	
	173	Chang et al. "Differential Ability of Heparan Sulfate Proteoglycans to Assemble the Fibroblast Growth Factor Receptor Complex In Situ", FASEB Journal, 14: 137-144, 2000.	
	174	Chase et al. "Respiratory Mucous Secretions in Patients With Cystic Fibrosis: Relationship Between Levels of Highly Sulfated Mucin Component and Severity of the Disease", Clinica Chimica Acta, 132: 143-155, 1983.	
	175	Cheng et al. "Increased Sulfation of Glycoconjugates NY Cultured Nasal Epithelia Cells From Patients With Cystic Fibrosis", Journal of Clinical Invetment, 84(1): 68-72, 1989. Abstract.	
	176	Chleboun et al. "The Development and Enhancement of the Collateral Circulation in An Animal Model of Lower Limb Ischaemia", Aust. NZ Surg., 64(3): 202-207, 1994. Abstract.	
	177	Chow et al. "Development of An Epithelium-Specific Expression Cassette With Human DNA Regulatory Elements for Transgene Expression in Lung Airways", Proc. Natl. Acad. Sci. USA, 94: 14695-14700, 1997.	
	178	Chubet et al. "Vectors for Expression and Secretion of FLAG Epitope-Tagged Proteins in Mammalian Cells", BioTechniques, 20: 136-141, 1996.	
	179	Clark "The Mammary Gland as A Bioreactor: Expression, Processing, and Production of Recombinant Proteins", J. Mammary Gland Biol. and Neoplasia, 3(3): 337-350, 1998.	
	180	Cohen "Oligonucleotide Therapeutics", Trends in Biotechnology 10: 87-91, 1992. Abstract.	
	181	Coligan et al. "Current Protocols in Immunology", Immunology - Laboratory Manuals, 1991.	
	182	Colman "Effects of Amino Acid Sequence Changes on Antibody-Antigen Interactions", Research in Immunology, 145(1): 33-36. 1994.	
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	183	Coombe et al. "Analysis of the Inhibition of Tumor Metastasis by Sulphated Polysaccharides", Int. J. Cancer, 39: 82-88, 1987. Abstract.			
	184	Crystal "Gene Therapy Strategies for Pulmonary Disease", American Journal of Medicine, 92 (Suppl.64): 6A-44S - 6A-52S, 1992.			
	185	Dasgupta et al. "Reduction in Viscoelasticity in Cystic Fibrosis Sputum In Vitro Using Combined Treatment With Nacystelyn and RhDNase", Pediatric Pulmonology, 22: 161-166, 1996.			
	186	Davies et al. "The Involvement of Cell-to-Cell Signals in the Development of A Bacterial Biofilm", Science, 280: 295-298, 1998.			
	187	De Vouge et al. "Immunoselection of GRP94/Endoplasmic Reticulum From A KNRK Cell-Specific λ gt11 Library Using Antibodies Directed Against A Putative Heparanase Amino-Terminal Peptide", Int. J. Cancer, 56: 286-294, 1994.			
	188	Dempsey et al. "Heparanase Expression in Invasive Trophoblasts and Acute Vascular Damage", Glycobiology, 10(5): 467-475, 2000. Abstract, P.470, Col.1 - P.471, Col.1, P.472, Col.1, § 4 - Col.2, § 2.			
	189	Dempsey et al. "Heparanase, A Potential Regulator of CellMatrix Interactions", TIBS, 25(8): 349-351, 2000. P.350, Col.1, § 1, Col.3, § 1, Claims 1-24.			
	190	Dibrino "RT-PCR Method & Applications", Clontech Laboratories, 1st Ed., 1: 11, 15, 23, 41, 26, 1991.			
	191	Doerks et al. "Protein Annotation: Detective Work for Function Prediction", Trends in Genetics, 14(6): 248-250, 1998.			
	192	Doetschman "Interpretation of Phenotype in Genetically Engineered Mice", Laboratory Animal Science, 49(2): 137-143, 1999.			
	193	Drigues et al. "Comparative Studies of Lipopolysaccharide and Exopolysaccharide From A Virulent Strain of Pseudomonas Solanacearum and From Three Avirulent Mutants", Journal of Bacteriology, 162(2): 504-509, 1985. Abstract.			
	194	Ducy et al. "The Osteoblast: A Sophisticated Fibroblast Under Central Surveillance", Science, 289: 1501-1504, 2000.			
	195	Duff "Transgenic Mice Overexpressing Presenilin cDNAs: Phenotype and Utility in the Modeling of Alzheimer's Disease", Central Nervous System Diseases, P.123-128, 2000. Abstract.			
	196	Duffy et al. "Maximizing Flap Survival in A Prefabrication Model Using Exogenous and Endogenous bFGF: A New Approach", Microsurgery, 17(4): 176-179, 1996. Abstract.			
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	197	Durand et al. "Active-Site Motifs of Lysosomal Acid Hydrolases: Invariant Features of Clan GH-A Glycosyl Hydrolases Deduced From Hydrophobic Cluster Analysis", Glycobiology, 7(2): 277-284, 1997.				
	198	Edwards et al. "Some Properties and Applications of Monoclonal Antibodies", Biochem. Journal, 200: 1-10, 1981.				
	199	Ehle et al. "Immunoaffinity Chromatography of Enzymes", Bioseparation, 1(2): 97-110, 1990.				
	200	Ejima et al. "Induction of Apoptosis in Placentas of Pregnant Mice Exposed to Lipopolysaccharides: Possible Involvement of Fas/Fas Ligand System", Biology of Reproduction, 62: 178-185, 2000. Abstract.				
	201	Elkin et al. "Heparanase as Mediator of Angiogenesis: Mode of Action", The FASEB Journal, 15: 1661-1663, 2001.				
	202	Elkin et al. "Heparanase as Mediator of Angiogenesis: Mode of Action", The FASEB Journal, Published Online, 10 P. 2001.				
	203	Ennis et al. "Rapid Cloning of HLA-A,B cDNA by Using the Polymerase Chain Reaction: Frequency and Nature of Errors Produced in Amplification", PNAS USA, 87: 2833-2837, 1990.				
	204	Esko et al. "Tumor Formation Dependent on Proeoglycans Biosynthesis", Science, 241(4869): 1092-1096, 1988. Abstract.				
	205	Evans et al. "Human Chromosome 11 187a8 Cosmid, Complete Sequence", Database EMBL, Accession No. U73640, XP002198427, 1996. Abstract.				
	206	Faber-Elman et al. "Involvement of Wound-Associated Factors in Rat Brain Astrocyte Migratory Response to Axonal Injury: In Vitro Simulation", J. Clin. Invest., 97(1): 162-171, 1996.				
	207	Fairbanks et al. "Processing of the Human Heparanase Precursor and Evidence that the Active Enzyme Is A Heterodimer", The Journal of Biological Chemistry, 274(42): 29587-29590, 1999.				
	208	Farndale et al. "A Direct Spectrophotometric Microassay for Sulfated Glycosaminoglycans in Cartilage Cultures", Connective Tissue Research, 9: 247-248, 1982.				
	209	Ferber et al. "Pancreatic and Duodenal Homeobox Gene 1 Induces Expression of Insulin Genes in Liver and Ameliorates Streptozotocin-Induced Hyperglycemia", Nature Medicine, 6(5): 568-572, 2000.				
	210	Finkel "Potential Target Found for Antimetastasis Drugs", Science, 285: 33-34, 1999.				
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	211	Flanagan et al. "Potent and Selective Gene Inhibition Using Antisense Oligodeoxynucleotides", Molecular and Cellular Biochemistry, 172: 213-225, 1997.			
	212	Frederiksen et al. "Antibiotic Treatment of Initial Colonization with Pseudomonas Aeruginosa Postpones Chronic Infection and Prevents Deterioration of Pulmonary Function in Cystic Fibrosis", Pediatr. Pulmonol. 23(5): 330-335, 1997. Abstract.			
	213	Frederiksen et al. "Changing Epidemiology of Pseudomonas Aeruginosa Infection in Danish Cystic Fibrosis Patients (1974			
	214	Freeman et al. "A Rapid Quantitative Assay for the Detection of Mammalian Heparanase Activity", Biochemical Journal, 325: 229			
	215	Freeman et al. "Evidence That Platelet and Tumour Heparanases Are Similar Enzymes", Biochem J., 342: 361			
	216	Freeman et al. "Human Platelet Heparanase: Purification, Characterization and Catalytic Activity", Biochem. J., 330: 1341			
	217	Friedman et al. "Regulated Expression of Homeobox Genes Msx			
	218	Gabriel et al. "In Vitro Adherence of Pseudomonas Aeruginosa to Four Intraocular Lenses", J. Cataract Refract Surg., 24: 124			
	219	Gantt et al. "Cell Adhesion to A Motif Shared by the Malaria Circumsporozoite Protein and Thrombospondin Is Mediated by Its Glycosaminoglycan			
	220	Garner "Epidermal Regulation of Dermal Fibroblast Activity", Plast. Reconstr. Surg., 102(1):135			
	221	Gewirtz et al. "Facilitating Oligonucleotide Delivery: Helping Antisense Deliver on Its Promise", Proc. Natl. Acad. Sci. USA, 93: 3161			
	222	Gewirtz et al. "Nucleic Acid Therapeutics: State of the Art and Future Prospects", Blood, 92(3): 712			
	223	Ghani et al. "Ceftazidime, Gentamicin, and Rifampicin, in Combination, Kill Biofilms of Mucoid Pseudomonas Aeruginosa", Can. J. Microbiol., 43(11): 999			
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	224	Giuffre et al. "Monocyte Adhesion to Activated Aortic Endothelium: Role of L-Selectin and Heparan Sulfate Proteoglycans", J. Cell Biol., 136(4): 945-956, 1997. Abstract.			
	225	Godder et al. "Heparanase Activity in Cultured Endothelial Cells", Journal of Cellular Physiology, 148: 274-280, 1991.			
	226	Goldberg et al. "An Improved Method for Determining Proteoglycans Synthesized by Chondrocytes in Culture", Live Tissue Research, 24: 265-275, 1990.			
	227	Goldshmidt et al. "Cell Surface Expression and Secretion of Heparanase Markedly Promote Tumor Angiogenesis and Metastasis", Proc. Natl. Acad. Sci. USA, 99(15): 10031-10036, 2002.			
	228	Gordon-Cardo et al. "Expression of Basic Fibroblast Growth Factor in Normal Human Tissues", Laboratory Investigation, 63: 832-840, 1990. Abstract.			
	229	Gorodetsky et al. "Isolation and Characterization of the Bos Taurus β -Casein Gene", Gene, 66: 87-96, 1988. Abstract.			
	230	Gottschalk et al. "Somatic Gene Therapy. Present Situation and Future Perspective", Arzneimittelforschung, 48(11): 1111-1120, 1998. Abstract.			
	231	Graham et al. "Comparison of the Heparanase Enzymes From Mouse Melanoma Cells, Mouse Macrophages, and Human Platelets", Biochemistry and Molecular Biology International, 39(3): 563-571, 1996. Abstract.			
	232	Green et al. "Antisense Oligonucleotides: An Evolving Technology for the Modulation of Gene Expression in Human Disease", Journal of American Cell Surgery, 191(1): 93-105, 2000.			
	233	Guriec et al. "CD44 Isoforms With Exon V6 and Metastasis of Primary N0M0 Breast Carcinomas", Breast Cancer Res. Treat., 44(3):261-268, 1997. Abstract.			
	234	Hagiwara et al. "Inhibitory Effect of Heparin on Red Blood Cell Invasion by Theileria Sergenti Merozoites", Int. J. Parasitol., 27(5): 535-539, 1997. Abstract.			
	235	Haimov-Kochman et al. "Localization of Heparanase in Normal and Pathological Human Placenta", Molecular Human Reproduction, 8(6): 566-573, 2002.			
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	236	Haisma et al. "Construction and Characterization of A Fusion Protein of Single-Chain Anti-Carcinoma Antibody 323/A3 and Human Beta-Glucuronidase"			
	237	Hammer et al. "Spontaneous Inflammatory Disease in Transgenic Rats Expressing HLA-B27 and Human ?2m: An Animal Model of HLA-B27-Associated Human Disorders"			
	238	Harlow et al. "Antibodies - A Laboratory Manual", Cold Spring Harbor Press, P. 471-510, 1988.			
	239	Harvey et al. "Expression of Exogenous Protein in the Egg White of Transgenic Chickens"			
	240	Hatano et al. "Biologic Activities of Antibodies to the Neutral-Polysaccharide Component of the Pseudomonas Aeruginosa Lipopolysaccharide Are Blocked by O Side Chains and Mucoid Exopolysaccharide (Alginate)"			
	241	Hatch et al. "Alginate Lyase Promotes Diffusion of Aminoglycosides Through the Extracellular Polysaccharide of Mucoid Pseudomonas Aeruginosa"			
	242	Hayward et al. "Cellular Mechanisms of Heparinase III Protection in Rat Traumatic Shock"			
	243	Hayward et al. "Heparinase III Exerts Endothelial and Cardioprotective Effects in Feline Myocardial Ischemia-Reperfusion Injury"			
	244	Herrera et al. "Mediation of Trypanosoma Cruzi Invasion by Heparan Sulfate Receptors on Host Cells and Penetrin Counter-Receptors on the Trypanosomes"			
	245	Hida et al. "Antisense E1AF Transfection Restrains Oral Cancer Invasion by Reducing Matrix Metalloproteinase Activities"			
	246	Hill et al. "Organ-Specific Over-Sulfation of Glycosaminoglycans and Altered Extracellular Matrix in A Mouse Model of Cystic Fibrosis"			
	247	Hillier et al. "The WashU-Merck EST Project" GenBank Entry N32056			
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	248	Hillier et al. "The WashU-Merck EST Project", No. N30824, Database GenBank on STN, US National Library of Medicine (Bethesda MD), 1996.			
	249	Hillier et al. "The WashU-Merck EST Project", No. N30845, Database GenBank on STN, US National Library of Medicine (Bethesda MD), 1996.			
	250	Hoogewerf et al. "CXC Chemokines Connective Tissue Activating Peptide-III and Neutrophil Activating Peptide-2 Are Heparin/Heparan Sulfate-Degrading Enzymes", Journal of Biological Chemistry, 270(7): 3268-3277, 1995.P.3269			
	251	Hormuzdi et al. "A Gene-Targeting Approach Identifies A Function for the First Intron in Expression of the ?1 (I) Collagen Gene.", Mol Cell Biol., 18(6): 3368-3375, 1998. Abstract.			
	252	Hsuch et al. "Invasive Streptococci Pneumoniae Infection Associated With Rapidly Fatal Outcome in Taiwan", J. Formos Med. Assoc., 95(5): 364-371, 1996. Abstract.			
	253	Hudson "Recombinant Antibody Fragment", Curr. Opin. Biotech., 4:395-402, 1998.			
	254	Hulett et al. "Cloning of Mammalian Heparanase, An Important Enzyme in Tumor Invasion and Metastasis", Nature Medicine, 5(7): 803-809, 1999.			
	255	Imai et al. "Osteoblast Recruitment and Bone Formation Enhanced by Cell Matrix-Associated Heparin-Binding Growth-Associated Molecule (HB-GAM)", J. Cell. Biol. 143(4): 1113-1128, 1998. [Abstract]			
	256	Inui et al. "Local Application of Basic Fibroblast Growth Factor Minipellet Induces the Healing of Segmental Bony Defects in Rabbits", Calcified Tissue International, 63(6): 490-495, 1998. Abstract.			
	257	Irimura et al. "Chemically Modified Heparins as Inhibitors of Heparan Sulfate Specific Endo-?-Glucuronidase (Heparanase) of Metastatic Melanoma Cells", Biochemistry, 25: 5322-5328, 1986. Abstract.			
	258	Jackson "The Use of Polyacrylamide-Gel Electrophoresis for the High-Resolution of Separation of Reducing Saccharides Labelled With the Fluorophore 8-Aminonaphthalene-1, 3, 6-Trisulphonic Acid", Biochem J., 270: 705-713, 1990.			
	259	Jayaraman et al. "Rational Selection and Quantitative Evaluation of Antisense Oligonucleotides", Biochimica et Biophysica Acta, 1520: 105-114, 2001.			
	260	Jin et al. "Immunohistochemical Localization of Heparanase in Mouse and Human Melanomas", International Journal of Cancer, 45: 1088-1095, 1990.			
	261	Jin et al. "Molecular Cloning and Expression of Human Heparanase cDNA", Proceedings American Association for Cancer Research Annual Meeting, 1992, 33: 57, 1992. Abstract.			
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	263	Jorba et al. "Variations in the P. Aeruginosa Polysaccharide Synthesis Conditioned by Aminosugars"			
	264	Jusa et al. "Effect of Heparinon on Infection of Cells by Porcine Reproductive and Respiratory Syndrome Virus"			
	265	Kang et al. "Prolactin-Inducible Enhancer Activity of the First Intron of the Bovine beta-Casein Gene"			
	266	Kato et al. "Physiological Degradation Converts the Soluble Syndecan-1 Ectodomain From An Inhibitor to A Potent Activator of FGF-2"			
	267	Kawaja et al. "Employment of Fibroblasts for Gene Transfer: Applications for Grafting Into the Central Nervous System"			
	268	Kawase et al. "Effect of Partial Incision of the Zona Pellucida by Piezo-Micromanipulator for In Vitro Fertilization Using Frozen-Thawed Mouse Spermatozoa on the Developmental Rate of Embryos Transferred at the 2-Cell Stage"			
	269	Kiberstis et al. "Bone Health in the Balance"			
	270	Kizaki et al. "Cloning and Localization of Heparanase in Bovine Placenta"			
	271	Kizaki et al. "Expression of Heparanase mRNA in Bovine Placenta During Gestation", Reproduction, 121: 573-580, 2001.			
	272	Köhler et al. "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity", Nature, 256: 495-497, 1975.			
	273	Konstan et al. "Current Understanding of the Inflammatory Process in Cystic Fibrosis", Pediatric Pulmonology, 24: 137-142, 1997.			
	274	Konstan et al. "Patterns of Medical Practice in Cystic Fibrosis: Part II. Use of Therapies", Pediatr. Pulmonol., 28(4): 248-54, 1999. Abstract.			
	275	Korb et al. "Stimulation of Gene Expression by Introns: Conversion of An Inhibitory Intron to A Stimulatory Intron by Alteration of the Splice Donor Sequence", Nucleic Acids Research, 21(25): 5901-5908, 1993.			
	276	Kosir et al. "Early Human Breast Carcinoma Cells Produce Extra Cellular Heparanase", Molecular Biology/Biochemistry, Proceedings of the American Association for Cancer Research, 37: 495, 1996.			
	277	Kosir et al. "Human Prostate Carcinoma Cells Produce Extracellular Heparanase", Journal of Surgical Research, 67: 98-105, 1997.			
	278	Krivit et al. "Microglia: The Effector Cell for Reconstitution of the Central Nervous System Following Bone Marrow Transplantation for Lysosomal and Peroxisomal Storage Diseases", Cell Transplant, 4(4): 385-392, 1995. Abstract.			
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	280	Krusat et al. "Heparin-Dependent Attachment of Respiratory Syncytial Virus (RSV) to Host Cells", Arch. Virol., 142(6): 1247-1254, 1997. Abstract.			
	281	Kurachi et al. "Role of Intron I in Expression of the Human Factor IX Gene", Journal of Biological Chemistry, 270(10): 5276-5281, 1995.			
	282	Kussie et al. "Cloning and Functional Expression of A Human Heparanase Gene", Biochemical and Biophysical Research Communication, 261(1): 183-187, 1999. Suppl. IDS in 23665; Suppl. IDS in 22716; Suppl. IDS in 25783;			
	283	Kuyvenhoven et al. "Assessment of Serum Matrix Metalloproteinases MMP-2 and MMP-9 After Human Liver Transplantation: Increased Serum MMP-9 Level in Acute Rejection", Transplantation, 77(11): 1646-1652, 2004. Abstract.			
	284	Lai et al. "DNA Vaccines", Critical Reviews in Immunology, 18: 449-484, 1998.			
	285	Lai et al. "Homologous Recombination Based Gene Therapy", Exp. Nephrol, 7(1):11-14, 1999. Abstract.			
	286	Lampard et al. "Secretion of Foreign Proteins Mediated by Chicken Lysozyme Gene Regulatory Sequences", Biochem. Cell Biol., 80(6): 777-788, 2002. Abstract.			
	287	Laskov et al. "Production of Heparanase by Normal and Neoplastic Murine - B-Lymphocytes", International Journal of Cancer, 47(1): 92-98, 1991.			
	288	Lazarus et al. "Ex Vivo Expansion and Subsequent Infusion of Human Bone Marrow-Derived Stromal Progenitor Cells (Mesenchymal Progenitor Cells): Implications for Therapeutic Use", Bone Marrow Transplantation, 16(4): 557-564, 1995. Abstract.			
	289	Le Fur et al. "Selective Increase in Specific Alternative Splice Variants of Tyrosinase in Murine Melanomas: A Projected Basis for Immunotherapy", Proc. Natl. Acad. Sci. USA, 94: 5332-5337, 1997.			
	290	Lederman et al. "A Single Amino Acid Substitution in A Common African Allele of the CD4 Molecule Ablates Binding of the Monoclonal Antibody, OKT4", Molecular Immunology, 28: 1171-1181, 1991.			
	291	Leong et al. "Different Classes of Proteoglycans Contribute to the Attachment of Borrelia burgdorferi to Cultured Endothelial and Brain Cells", Infect. Immun., 66(3): 994-999, 1998. Abstract.			
	292	Lessey et al. "Paracrine Signaling in the Endometrium: Integrins and the Establishment of Uterine Receptivity", J. Reprod. Immunol., 39(1-2): 105-116, 1998. Abstract.			
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				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
Sheet	18	Of	33	Attorney Docket Number	01/21603
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	293	Li et al. "Immunochemical Localization of Heparanase in Mouse and Human Melanomas", Int. J. Cancer, 45: 1088-1095, 1990.			
	294	Li et al. "In Vivo Fragmentation of Heparan Sulfate by Heparanase Overexpression Renders Mice Resistant to Amyloid Protein A Amyloidosis", PNAS, 102(18): 6473-6477, 2005.			
	295	Li et al. "β-Endorphin Omission Analogs: Dissociation of Immunoreactivity From Other Biological Activities", PNAS, 77: 3211-3214, 1980.			
	296	Lider et al. "Inhibition of T Lymphocyte Heparanase by Heparin Prevents T Cell Migration and T Cell-Mediated Immunity", European Journal of Immunology, 20(3): 493-499, 1990. Abstract.			
	297	Linhardt et al. "Polysaccharide Lyases", Applied Biochemistry and Biotechnology, 12: 135-176, 1986.			
	298	Liu et al. "Living Offspring by In Vitro Fertilization of Oocytes From Cryopreserved Primordial Mouse Follicles After Sequential In Vivo Transplantation and In Vitro Maturation", Biology of Reproduction, 64: 171			
	299	Loredo et al. "Regulation of Glycosaminoglycan Metabolism by Bone Morphogenetic Protein			
	300	Luft " Making Sense Out of Antisense Oligodeoxynucleotide Delivery: Getting There Is Half the Fun". J. Mol. Med, P.75			
	301	Macone et al. "Mucoid Escherichia Coli in Cystic Fibrosis", The New England Journal of Medicine, 304(24): 1445			
	302	Maillard et al. " Pre-Treatment With Elastase Improves the Efficiency of Percutaneous Adenovirus-Mediated Gene Transfer to the Arterial Media", Gene Therapy, 5: 1023-1030, 1998.			
	303	Marchetti et al. "Neurotrophin Stimulation of Human Melanoma Cell Invasion: Selected Enhancement of Heparanase Activity and Heparanase Degradation of Specific Heparan Sulfate Subpopulations", Cancer Research, 56: 2856			
	304	Marra et al. ""The WashU-HHMI Mouse EST Project", Database EMBL, Accession No. A122034, XP 002198426, 1998. Abstract.			
	305	Marra et al. "The WashU-HHMI Mouse Est Project", Database EMBL, Accession No. AA047943, XP002198424, 1996.			
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	306	Marty et al. "Influence of Nutrient Media on the Chemical Composition of the Expolysaccharide From Mucoid and Non-Mucoid Pseudomonas Aeruginosa", FEMS Microbiol. Letters, 77(1-3): 35-44, 1992. Abstract.			
	307	Massague "The TGF-BETA Family of Growth and Differentiation Factors", Cell, 49: 437-438, 1987.			
	308	Mateo et al. "Humanization of A Mouse Monoclonal Antibody That Blocks the Epidermal Growth Factor Receptor: Recovery Antagonistic Activity", Immunotechnology, 3: 71-81, 1997. Abstract.			
	309	Matoba et al. "Evaluation of Omental Implantation for Perforated Gastric Ulcer Therapy: Findings in A Rat Model", J. Gastroenterol., 31(6): 777-784, 1996. Abstract.			
	310	Matzner et al. "Degradation of Heparan Sulfate in the Subendothelial Extracellular Matrix by A Readily Released Heparanase From Human Neutrophils", Journal of Clinical Investigation, 76(4): 1306-1313, 1985.			
	311	McKenzie et al. "Biochemical Characterization of the Active Heterodimer Form of Human Heparanase (Hpa1) Protein Expressed in Insect Cells", Biochemical Journal, 373: 423-435, 2003.			
	312	Meluleni et al. "Mucoid Pseudomonas Aeruginosa Growing in A Biofilm In Vitro Are Killed by Opsonic Antibodies to the Mucoid Exopolysaccharide Capsule But Not by Antibodies Produced During Chronic Lung Infection in Cystic Fibrosis Patients", J. Immun., 155(4): 2029-2038, 1995. Abstract.			
	313	Menezo et al. "Mouse and Bovine Models for Human IVF", Reproductive BioMedicine Online 2002, 4(2): 170-175, 2002. Abstract.			
	314	Mengistu et al. "Continuous Culture Studies on the Synthesis of Capsular Polysaccharide by Klebsiella Pneumoniae K1", J. Appl. Bacteriol., 76(5): 424-430, 1994. Abstract.			
	315	Miao et al. "Cloning, Expression and Purification of Mouse Heparanase", Protein Expression and Purification, 26: 425-431, 2002.			
	316	Miller et al. "Xenograft Model of Progressive Human Proliferative Breast Disease", J. Nat. Cancer Inst., 85: 1725-1732, 1993. Abstract.			
	317	Mirault et al. "Transgenic Glutathione Peroxidase Mouse Models for Neuroprotection Studies", Ann. NY Acad. Sci., 738: 104-115, 1994. Abstract.			
	318	Miao et al. "Modulation of Fibroblast Growth Factor-2 Receptor Binding Dimerization, Signaling, and Angiogenic Activity by A Synthetic Heparin-Mimicking Polyaromatic Compound", J. Clin. Invest., 99(7): 1565-1575, 1997.			
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	319	Miyake et al. "Highly Specific and Sensitive Detection of Malignancy in Urine Samples From Patients With Urothelial Cancer by CD44v8-10/CD44v10 Competitive RT-PCR", Int. J. Cancer, 79(6): 560-564, 1998. Abstract.			
	320	Mohapatra et al. "Alteration of Sulfation of Glycoconjugates, But Not Sulfate Transport and Intracellular Inorganic Sulfate Content in Cystic Fibrosis Airway Epithelial Cells", Pediatr. Res., 38(1): 42-48, 1995. Abstract.			
	322	Mollinedo et al. "Major Co-Localization of the Extracellular-Matrix Degradative Enzymes Heparanase and Gelatinase in Tertiary Granules of Human Neutrophils", Biochemical Journal, 327: 917-923, 1997.			
	323	Morel et al. "Human Neutrophil Gelatinase Is A Collagenase Type IV", Biochem. & Biophys. Res. Comm., 191: 269-274, 1993.			
	324	Morrison et al. "Sequences in Antibody Molecules Important for Receptor-Mediated Transport Into the Chicken Egg Yolk", Mol. Immunol., 38(8): 619-625, 2002.			
	325	Moser et al. "Chronic Pseudomonas Aeruginosa Lung Infection Is More Severe in Th2 Responding BALB/c Mice Compared to Th1 Responding C3H/HeN Mice", APMIS, 105(11): 838-842, 1997. Abstract.			
	326	Moses et al. "Relative Contributions of Hyaluronic Capsule and M Protein to Virulence in A Mucoid Strain of the Group A Streptococcus", Infect. Immun., 65(1): 64-71, 1997.			
	327	Muir et al. "Histomorphometric Analysis of the Effects of Standard Heparin on Trabecular Bone In Vivo", Blood, 88(4): 1314-1320, 1996. Abstract.			
	328	Mullins et al. "Expression of the DBA/2J Ren-2 Gene in the Adrenal Gland of Transgenic Mice", The EMBO Journal, 8(13): 4065-4072, 1989.			
	329	Mullins et al. "Fulminant Hypertension in Transgenic Rats Harboring the Mouse Ren-2 Gene", Nature, 344: 541-544, 1990.			
	330	Murphy et al. "The Latent Collagenase and Gelatin of Human Polymorphonuclear Neutrophil Leucocytes", Biochem. J., 192: 517-525, 1980.			
	331	Murray et al. "The Extracellular Matrix", Harper's Biochemistry, McGraw-Hill Professional, 24th Ed., Chap.57, P.667-685, 1998.			
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	332	Nadav et al. "Activation, Processing and Trafficking of Extracellular Heparanase by Primary Human Fibroblasts", Journal of Cell Science, 115(10): 2179-2187, 2002.			
	333	Nadir et al. "Co- Interaction and Increased Release of Tissue Factor Pathway Inhibitor by Heparanase", Blood, 106(11/Part 2): 90B, 2005. Abstract# 4038.			
	334	Nakajima "Heparanases and Tumor Metastasis", Tanpakushitsu Kakusan Koso, 37(11): 1753-1758, 1992. Abstract.			
	335	Nakajima et al. " A Solid-Phase Substrate of Heparanase: Its Application to Assay of Human Melanoma for Heparan Sulfate Degradative Activity", Analytical Biochemistry, 157: 162-171, 1986.			
	336	Nakajima et al. "Heparan Sulfate Degradation: Relation to Tumor Invasion and Metastatic Properties of Mouse B16 Melanoma Sublines", Science, 220: 611-613, 1983.			
	337	Naparstek et al. "Activated T Lymphocytes Produce A Matrix-Degrading Heparan Sulphate Endoglycosidase", Nature, 310(5974): 241-244, 1984. Abstract.			
	338	Nasser et al. "Heparanase Neutralizes the Anticoagulation Properties of Heparin and Low-Molecular-Weight Heparin", Journal of Thrombosis and Haemostasis, 4: 560-565, 2006.			
	339	Newbold et al. "Exposure to Diethylstilbestrol During Pregnancy Permanently Alters the Ovary and Oviduct", Biology of Reproduction, 28: 735-744, 1983. Abstract.			
	340	Nilsson et al. "The Role of Staphylococcal Polysaccharide Microcapsule Expression in Septicemia and Septic Arthritis", Infect. Immun., 65(10): 4216-21, 1997. Abstract.			
	341	Niwa et al. "Efficient Selection for High-Expression Transfectants With A Novel Eukaryotic Vector", Gene, 108(2): 193-199, 1991. Abstract.			
	342	Novagen "PET System Manual", Novagen, 6th Ed., P.11, 1995.			
	343	Ofek et al. "Bacterial Adhesion to Cells and Tissues", Chapman & Hall, NY, P.114-118, 148-153, 418-423, 420-423, 1994.			
	344	Oldberg et al. "Characterization of A Platelet Endoglycosidase Degrading Heparin-Like Polysaccharides", Biochemistry, 19: 5755-5762, 1980.			
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	346	Ornitz et al. "Heparin Is Required for Cell-Free Binding of Basic Fibroblast Growth Factor to A Soluble Receptor and for Mitogenesis in Whole Cells", Molecular and Cellular Biology, 12: 240-247, 1992.				
	347	Pasquier et al. "Implication of Neutral Polysaccharides Associated to Alginate in Inhibition of Murine Macrophage Response to Pseudomonas Aeruginosa", FEMS Microbiol. Lett., 147(2): 195-202, 1997. Abstract.				
	348	Pearce et al. "Development of Glucose Intolerance in Male Transgenic Mice Overexpressing Human Glycogen Synthase Kinase-3? on A Muscle-Specific Promoter", Metabolism, 53(10): 1322-1330, 2004.				
	349	Pfaff et al. "Cryobiology of Rat Embryos I: Determination of Zygote Membrane Permeability Coefficients for Water and Cryoprotectants, Their Activation Energies, and the Development of Improved Cryopreservation Methods", Biology of Reproduction, 63: 1294-1302, 2000. Abstract.				
	350	Pier "Rationale for Development of Immunotherapies That Target Mucoid Pseudomonas Aeruginosa Infection in Cystic Fibrosis Patients", Behring Inst. Mitt., 98: 350-360, 1997. Abstract.				
	351	Pier et al. "Cystic Fibrosis Transmembrane Conductance Regulator Is An Epithelial Cell Receptor for Clearance of Pseudomonas Aeruginosa From the Lung", Proc. Natl. Acad. Sci. USA, 94(22): 12088-12093, 1997.				
	352	Pier et al. "How Mutant CFTR May Contribute to Pseudomonas Aeruginosa Infection in Cystic Fibrosis", Am. J. Respir. Crit. Care Med., 154(4): S175-S182, 1996. Abstract.				
	353	Pilbeam et al. "Comparison of the Effects of Various Lengths of Synthetic Human Parathyroid Hormone-Related Peptide (hPTHrP) of Malignancy on Bone Resorption and Formation in Organ Culture", Bone, 14: 717-720, 1993.				
	354	Pina et al. "The Role of Fluoroquinolones in the Promotion of Alginate Synthesis and Antibiotic Resistance in Pseudomonas Aeruginosa", Curr. Microbiol., 35(2): 103-108, 1997. Abstract.				
	355	Pomahac et al. "Tissue Engineering of Skin", Crit. Rev. Oral Biol. Med., 9(3): 333				
	356	Prahallada et al. "Diethylstilbestrol-Induced Cervical and Vaginal Adenosis Using the Neonatal Mouse Model", Biology of Reproduction, 38: 935-943, 1988. Abstract.				
	357	Prockop "Marrow Stromal Cells as Stem Cells for Nonhematopoietic Tissues", Science, 276: 71				
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	359	Rader et al. "A Phage Display Approach for Rapid Antibody Humanization: Designed Combinatorial V Gene Libraries", Proc. Natl. Acad. Sci. USA, 95: 8910			
	360	Raghunath et al. "Cultured Epithelial Autografts: Diving From Surgery Into Matrix Biology", Pediatr. Surg. Int., 12(7): 478			
	361	Rahmoune et al. "Chondroitin Sulfate in Sputum From Patients With Cystic Fibrosis and Chronic Bronchitis", Am. J. Resp. Cell & Mol. Biol., 5(4): 315-320, 1991. Abstract.			
	362	Rajur et al. "Covalent Protein-Oligonucleotide Conjugates for Efficient Delivery of Antisense Molecules", Bioconjugate Chem., 8: 935-940, 1997.			
	363	Ramos et al. "Relationship Between Glycolysis and Exopolysaccharide Biosynthesis in Lactococcus Lactis", Appl. Environ. Microbiol., 67(1): 33-41, 2001. Abstract.			
	364	Ramsey et al. "Intermittent Administration of Inhaled Tobramycin in Patients With Cystic Fibrosis. Cystic Fibrosis Inhaled Tobramycin Study Group", New England Journal of Medicine, 340(1): 23-30, 1999. Abstract.			
	365	Reddi "Role of Morphogenetic Proteins in Skeletal Tissue Engineering and Regeneration", Nature Biotechnology, 16: 247-252, 1998.			
	366	Richards et al. "Construction and Preliminary Characterization of the Rat Casein and Alpha-Lactalbumin cDNA Clones", J. Biol. Chem., 256(1): 526-32, 1981.			
	367	Richardson et al. "Regulation of Basic Fibroblast Growth Factor Binding and Activity by Cell Density and Heparan Sulfate", J. Biological Chemistry, 274(19): 13534-13540, 1990.			
	368	Ricoverti et al. "Heparan Sulfate Endoglycosidase and Metastatic Potential in Murine Fibrosarcoma and Melanoma", Cancer Research, 46(8): 3855-3861, 1986. Abstract.			
	369	Robert et al. "Chondroitin-4-Sulphate (Proeoglycan), A Receptor for Plasmodium Falciparum-Infected Erythrocyte Adherence on Brain Microvascular Endothelial Cells", Res. Immunol., 146(6): 383-393, 1995. Abstract.			
	370	Rubin "Emerging Therapies for Cystic Fibrosis Lung Disease", Chest, 115: 1120-1126, 1999.			
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				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
Sheet	24	Of	33	Attorney Docket Number	01/21603
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	371	Ruppert et al. "Human Bone Morphogenic Protein 2 Contains A Heparin-Binding Site Which Modifies Its Biological Activity", Eur. J. Biochem., 237(1): 295-302, 1996. Abstract.			
	372	Sasisekharan et al. "Cloning and Expression of Heparinase I Gene From Flavobacterium Heparinum", Proc. Natl. Acad. Sci. USA, 90: 3660-3664, 1993.			
	373	Sasisekharan et al. "Heparinase Inhibits Neovascularization", Proc. Natl. Acad. Sci. USA, 91: 1524-1528, 1994.			
	374	Savion et al. "Murine Macrophage Heparanase: Inhibition and Comparison With Metastatic Tumor Cells", Journal of Cellular Physiology, 130: 77-84, 1987.			
	375	Schoepe et al. "Neutralization of Hemolytic and Mouse Lethal Activities of C. Perfringens Alpha-Toxin Need Simultaneous Blockage of Two Epitopes by Monoclonal Antibodies", Microb. Pathogenesis, 23(1): 1-10, 1997. Abstract.			
	376	Schultz et al. "Growth Factors in Preimplantation Mammalian Embryos", Oxford Review of Reproduction in Biology, 15: 43-81, 1993. Abstract.			
	377	Schwartz et al. "CpG Motifs in Bacterial DNA Cause Inflammation in the Lower Respiratory Tract", J. Clin. Invest., 100(1): 68-73, 1997. Abstract.			
	378	Scott et al. "Visualization of An Extracellular Mucoid Layer of Treponema Denticola ATCC 35405 and Surface Sugar Lectin Analysis of Some Treponema Species", Oral Microbiol. Immunol., 12(2): 121-125, 1997. Abstract.			
	379	Selvan et al. "Heparan Sulfate in Immune Responses", Ann. NY Acad. Sci., 797: 127-139, 1996.			
	380	Service "Tissue Engineers Build New Bone", Science, 289: 1498-1500, 2000.			
	381	Sewell et al. "Human Mononuclear Cells Contain An Endoglycosidase Specific for Heparan Sulfate Glycosaminoglycan Demonstrable With the Use of A Specific Solid-Phase Metabolically Radiolabelled Substrate", Biochem J., 264: 777-783, 1989.			
	382	Shakibaei et al. "Dual Interaction of the Malaria Circumsporozoite Protein With the Low Density Lipoprotein Receptor-Related Protein (LRP) and Heparan Sulfate Proteoglycans", J. Exp. Med., 184(5): 1699-1711, 1996. Abstract.			
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	383	Shastry "Gene Disruption in Mice: Models of Development and Disease", Molecular and Cellular Biochemistry, 181: 163-179, 1998.			
	384	Shekhar et al. "Correlation of Differences in Modulation of Ras Expression With Metastatic Competence of Mouse Mammary Tumour Subpopulations", Invasion Metastasis, 14: 27-37, 1994/5.			
	385	Shimazu et al. "Syndecan-3 and the Control of Chondrocyte Proliferation During Endochondral Ossification", Exp. Cell. Res., 229(1): 126-136, 1996. Abstract.			
	386	Skolnick et al. "From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era", Trends in Biotechnology, 18: 34-39, 2000.			
	387	Smith et al. "Expression of Heparan Sulfate Protoglycan (Perlecan) in the Mouse Blastocyst Is Regulated During Normal and Delayed Implantation", Dev. Biol., 184(1): 38-47, 1997. Abstract.			
	388	Smith et al. "The Challenges of Genome Sequence Annotation or 'The Devil Is in the Details'", Nature Biotechnology, 15: 1222-1223, 1997.			
	389	Sordat et al. "Modulation of the Malignant Phenotype With the Urokinase-Type Plasminogen Activator and the Type I Plasminogen Activator Inhibitor", Cell Differentiation and Development, 32: 277-286, 1990.			
	390	Soule et al. "Isolation and Characterization of A Spontaneously Immortalized Human Breast Epithelial Cell Line, MCF-10", Cancer Res., 50: 6075-6086, 1990. Abstract.			
	391	Speert et al. "Modulation of Macrophage Function for Defense of the Lung Against Pseudomonas Aeruginosa", Behring Inst. Mitt., 98: 274-282, 1997. Abstract.			
	392	Spiegel et al. "Heparanase Facilitates Development and SDF-1 Induced Migration of Hematopoietic Stem and Progenitor Cells", Blood, 102(11): 825a-826a, 2003. Abstract# 3056.			
	393	Stracke et al. "Autotaxin, Tumor Motility-Stimulating Exophosphodiesterase", Advan. Enzyme Regul., 37: 135-144, 1997. Introduction.			
	394	Suggs et al. "Use of Synthetic Oligonucleotides as Hybridization Probes: Isolation of Cloned cDNA Sequences for Human ?2			
	395	Sutherland "Structure-Function Relationships in Microbial Exopolysaccharides", Biotech. Adv., 12: 393-448, 1994.			
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	396	Szczylik et al. "Selective Inhibition of Leukemia Cell Proliferation by BCR			
	397	Tang et al. "Contribution of Specific Pseudomonas Aeruginosa Virulence Factors to Pathogenesis of Pneumonia in A Neonatal Mouse Model of Infection", Infect. Immun., 64(1): 37-43, 1996. Abstract.			
	398	Tatnell et al. "Characterisation of Alginates From Mucoid Strains of Pseudomonas Aeruginosa", Biochemical Society Transactions, 24: 404S, 1996.			
	399	Tatnell et al. "Chemical Analysis of Alginates From Mucoid Strains of Pseudomonas Aeruginosa", Biochemical Society Transactions, 22: 310S, 1994.			
	400	Tatnell et al. "Colonisation of Cystic Fibrosis Patients by Non-Mucoid Pseudomonas Aeruginosa - Characterisation of the Alginate From Mucoid Variants", Biochemical Society Transactions, 24: 406S, 1996.			
	401	Taurog et al. "HLA-B27 in Inbred and Non-Inbred Transgenic Mice", The Journal of Immunology, 141(11): 4020-4023, 1988.			
	402	Taylor et al. "A Colorimetric Method for the Quantitation of Uronic Acids and A Specific Assay for Galacturonic Acid", Analytical Biochemistry, 201: 190-196, 1992.			
	403	Thompson et al. "Identification of Chondroitin Sulfate E in Human Lung Mast Cells", J. Immunol., 140(8): 2708-2713, 1988. Abstract.			
	404	Thuong et al. "Sequence-Specific Recognition and Modification of Double-Helical DNA by Oligonucleotides", Angew.Chem. Int. Ed. Engl. 32: 666-690, 1993.			
	405	Toyoshima et al. "Human Heparanase: Purification, Characterization, Cloning, and Expression", J. Biolog. Chemistry, 274(34): 24153-24160, 1999.			
	406	Uno et al. "Antisense-Mediated Suppression of Human Heparanase Gene Expression Inhibits Pleural Dissemination of Human Cancer Cells", Cancer Research, 61(21): 7855-7860, 2001.			
	407	Van Heeckeren et al. "Excessive Inflammatory Response of Cystic Fibrosis Mice to Bronchopulmonary Infection With Pseudomonas Aeruginosa", J. Clin. Invest., 100(11): 2810-2815, 1997.			
	408	Vernet et al. "Virulence Factors (Aerobactin and Mucoid Phenotype) in Klebsiella Pneumoniae and Escherichia Coli Blood Culture Isolates", FEMS Microbiol. Lett., 130(1): 51-57, 1995. Abstract.			
	409	Vlodavsky et al. "Mammalian Heparanase: Gene Cloning, Expression and Function in Tumor Progression and Metastasis", Nature Medicine, 5(7): 793-802, 1999.			
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	411	Vogel et al. "Production of Proteoglycans by Human Lung Fibroblasts (IMR-90) Maintained in A Low Concentration of Serum", Biochem. J., 207(3): 369-379. Abstract.			
	412	Vukicevic et al. "Induction of Nephrogenic Mesenchyme by Osteogenic Protein 1 (Bone Morphogenetic Protein 7)", Proc. Natl. Acad. Sci. USA, 93: 9021-9026, 1996.			
	413	Walch et al. "Correlation of Overexpression of the Low-Affinity p75 Neutrophin Receptor With Augmented Invasion and Heparanase Production in Human Malignant Melanoma Cells", Int. J. Cancer, 82: 112-120, 1999.			
	414	Wall "Transgenic Livestock: Progress and Prospects for the Future", Theriogenology, 45: 57-68, 1996.			
	415	Walton et al. "Prediction of Antisense Oligonucleotide Binding Affinity to A Structured RNA Target", Biotechnology and Bioengineering, 65(1): 1-9, 1999.			
	416	Wang "Basic Fibroblast Growth Factor for Stimulation of Bone Formation in Osteoinductive or Conductive Implants", Acta Orthop. Scand. Suppl., 269: 1-33, 1996. Abstract.			
	417	Wang "Basic Fibroblast Growth Factor Infused at Different Times During Bone Graft Incorporation. Titanium Chamber Study in Rats", Acta Orthop. Scand., 67(3): 229-236, 1996. Abstract.			
	418	Wang et al. "Basic Fibroblast Growth Factor Enhances Bone-Graft Incorporation: Dose and Time Dependence in Rats", J. Orthop. Res., 14(2): 316-323, 1996. Abstract. Suppl. IDS in 22716;			
	419	Wang et al. "Isolation and Characterization of Pseudomonas Aeruginosa Genes Inducible by Respiratory Mucus Derived From Cystic Fibrosis Patients", Mol. Microbiol., 22(5): 1005-1012, 1996. Abstract.			
	420	Watson et al. "A Growth Factor Phenotype Map for Ovine Preimplantation Development", Biology of Reproduction, 50(4): 725-733, 1994. Abstract.			
	421	Webster et al. "FGFR Activation in Skeletal Disorders: Too Much of A Good Thing", TIG, 13(5): 178-182, 1997.			
	422	Welch et al. "Complex Saccharide Metabolism in Cystic Fibrosis Fibroblasts", Pediatr. Research, 9(9): 698-702, 1975.			
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	424	Weller "Implications of Early Inflammation and Infection in Cystic Fibrosis: A Review of New and Potential Interventions", Pediatric Pulmonology, 24: 143-146, 1997.			
	425	Wessels et al. "Effects on Virulence of Mutations in A Locus Essential for Hyaluronic Acid Capsule Expression in Group A Streptococci", Infect. Immun., 62(2): 433-441, 1994. Abstract.			
	426	Whitelock et al. "The Degradation of Human Endothelial Cell-Derived Perlecan and Release of Bound Basic Fibroblast Growth Factor by Stromelysin, Collagenase, Plasmin, and Heparanases", Journal of Biological Chemistry, 271(17): 10079-10086, 1996.			
	427	Wordinger et al. "The Immunolocalization of Basic Fibroblast Growth Factor in the Mouse Uterus During the Initial Stages of Embryo Implantation", Growth Factors, 11(3): 175-186, 1994. Abstract.			
	428	Yagel et al. "Normal Nonmetastatic Human Trophoblast Cells Share In Vitro Invasive Properties of Malignant Cells", J. Cellular Physiology, 136: 455-462, 1988.			
	429	Yazaki et al. "The Structure and Expression of the FGF Receptor-1 mRNA Isoforms in Rat Tissues", Biochimica et Biophysica Acta, 1172: 37-42, 1993.			
	430	Ye et al. "Targeted Gene Correction: A New Strategy for Molecular Medicine", Molecular Medicine Today, P.431-437, 1998.			
	431	Yesildaglar et al. "The Mouse as A Model to Study Adhesion Formation Following Endoscopic Surgery: A Preliminary Report", Human Reproduction, 14(1): 55-59, 1999. Abstract.			
	432	Yoshida "Effects of Basic Fibroblast Growth Factor on the Development of Mouse Preimplantation Embryos", Nippon Sanka Fujinka Gakkai Zasshi, 48(3): 170-176, 1996. Abstract.			
	433	Yu et al. "Microbial Pathogens in Cystic Fibrosis: Pulmonary Clearance of Mucoïd Pseudomonas Aeruginosa and Inflammation in A Mouse Model of Repeated Respiratory Challenge", Infection and Immunity, 66(1): 280-288, 1998.			
	434	Zahm et al. "Early Alterations in Airway Mucociliary Clearance and Inflammation of the Lamina Propria in CF Mice", Am. J. Physiol., 272(3 Pt 1): C853-C859, 1997. Abstract.			
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	437	Zcharia et al. "Molecular Properties and Involvement of Heparanase in Cancer Progression and Mammary Gland Morphogenesis", Journal of Mammary Gland Biology and Neoplasia, 6(3): 311-322, 2001.			
	438	Zcharia et al. "Transgenic Expression of Mammalian Heparanase Uncovers Physiological Functions of Heparan Sulfate in Tissue Morphogenesis, Vascularization, and Feeding Behavior", The FASEB Journal, 18: 252-263, 2004.			
	439	Zheng et al. "Increment of hFIX Expression With Endogenous Intron 1 In Vitro", Cell Res., 7(1):21-29, 1997 Abstract.			
	440	Zhou et al. "A 182 Bp Fragment of the Mouse Pro α 1(I) Collagen Gene Is Sufficient to Direct Chondrocyte Expression in Transgenic Mice", J. Cell Science, 108: 3677-3684, 1995.			
	441	Zhou et al. "HFE Gene Knockout Produces Mouse Model of Hereditary Hemochromatosis", PNAS, 95(5): 2492-2497, 1998.			
	442	Zhu et al. "Development of Heritable Melanoma in Transgenic Mice", The Journal of Investigative Dermatology, 110: 247-252, 1998.			
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				Application Number	09/776,874
				Filing Date	February 6, 2001
				First Named Inventor	Iris PECKER et al
				Art Unit	1652
				Examiner Name	HUTSON, RICHARD G
Sheet	31	Of	33	Attorney Docket Number	01/21603
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	447	Goshen et al. "Purification and Characterization of Placental Heparanase and Its Expression by Cultured Cytotrophoblasts", Molecular Human Reproduction, 2(9): 679-684, 1996.			
	448	Bar-Ner et al. "Inhibition of Heparanase-Mediated Degradation of Extracellular Matrix Heparan Sulphate by Non-Anticoagulant Heparin Species", Blood, 70(2): 551-557, 1987.			
	449	Bashkin et al. "Basic Fibroblast Growth Factor Binds to Subendothelial ExtraCellular Matrix and Is Released by Heparitanase and Heparin-Like Molecules", Biochemistry, 28: 1737-1743, 1989.			
	450	Burgess et al. "The Heparin-Binding (Fibroblast) Growth Factor of Proteins", Annu. Rev. Biochem., 58: 575-606, 1989.			
	451	Chen et al. "Dengue Virus Infectivity Depends on Envelope Protein Bin to Target Cell Heparan Sulfate", Nature Medicine, 3(8): 866-871, 1997.			
	452	Cordon-Cardo et al. "Expression of Basic Fibroblast Growth Factor in Normal Human Tissue", Laboratory Investigation, 63(6): 832-840, 1990. Abstract.			
	453	Eisenberg et al. "Lipoprotein Lipase Enhances Binding of Lipoproteins to Heparan Sulfate on Cell Surface and Extracellular Matrix", Journal of Clinical Investigation, 90: 2013-2021, 1992.			
	454	Gitay-Goren et al. "The Binding of Vascular Endothelial Growth Factor to Its Receptors Is Dependent on Cell Surface-Associated Heparin-Like Molecules", Journal of Biological Chemistry, 267(9): 6093-6098, 1992.			
	455	Narindrasorasak et al. "High Affinity Interactions Between the Alzheimer's ?-Amyloid Precursor Proteins and the Basement Membrane Form of Heparan Sulfate Proteoglycan", J. Biol. Chem., 266(20): 12878-12883, 1991.			
	456	Shieh et al. "Cell Surface Receptors for Herpes Simplex Virus Are Heparan Sulfate Proteoglycan Proteoglycans", J. Cell. Biol., 116(5): 1273-1281, 1992.			
	457	Rapraeger et al. "Requirement of Heparan Sulfate for bFGF-Mediated Fibroblast Growth and Myoblast Differentiation", Science, 252: 1705-1709, 1991.			
	458	Lider et al. "A Disaccharide That Inhibits Tumor Necrosis Factor ? Is Formed From the Extracellular Matrix by the Enzyme Heparanase", Proc. Natl. Acad. Sci. USA, 92: 5037-5041, 1995.			
	459	Lider et al. "Suppression of Experimental Autoimmune Diseases and Prolongation of Allograft Survival by Treatment of Animals With Low Doses of Heparin", The Journal of Clinical Investigation, 83: 752-756, 1989.			
Examiner Signature	/Richard Hutson/ (06/11/2008)			Date Considered	

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				Art Unit	1652	
				Examiner Name	HUTSON, RICHARD G	
Sheet	32	Of	33	Attorney Docket Number		01/21603
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS						
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	460	Ornitz et al. "FGF Binding and FGF Receptor Activation by Synthetic Heparin-Derived Di- and Trisaccharides", Science, 268: 432-436, 1995.				
	461	Spivak-Kroizman et al. "Heparin-Induced Oligomerization of FGF Molecules Is Responsible For FGF Receptor Dimerization, Activation, and Cell Proliferation", Cell, 79: 1015-1024, 1994.				
	462	Yayon et al. "Cell Surface, Heparin-Like Molecules Are Required for Binding of Basic Fibroblast Growth Factor to Its High Affinity Receptor", Cell, 64: 841-848, 1991.				
	463	Voldavsky et al. "Extracellular Sequestration and Release of Fibroblast Growth Factor: A Regulatory Mechanism?", Trends Biochem. Sci., 16: 268-271, 1991.				
	464	Voldavsky et al. Extracellular Matrix-Bound Growth Factors, Enzymes, and Plasm Proteins", Basic Membranes: Cellular and Molecular aspects (eds. Rohrbach & Timppil) P. 327-343, 1993.				
	465	Voldavsky et al. "Endothelial Cell-Derived Basic Fibroblast Growth Factor: Synthesis and Deposition Into Subendothelial Extra-Cellular Matrix", Proc. Natl. Acad. Sci. USA, 84: 2292-2296, 1987.				
	466	Voldavsky et al. "Involvement of the ExtraCellular Matrix, Heparin Sulfate Proteoglycans, and Heparin Sulfate Degrading Enzymes in Angiogenesis and Metastasis", Tumor Angiogenesis, P.125-140, 1997.				
	467	Voldavsky et al. "Morphological Appearance, Growth Behaviour and Migratory Activity of Human Tumor Cells Maintained on Extracellular Matrix Versus Plastic", Cell, 19: 607-616, 1980.				
	468	Voldavsky et al. "Involvement of Heparanase in Tumor Metastasis and Angiogenesis", Isr. J. Med. Sci., 24(9-10): 464-470, 1988.				
	469	Voldavsky et al. "Lymphoma Cell-Mediated Degradation of Sulfated Proteoglycans in the Subendothelial ExtraCellular Matrix: Relationship to Tumor Cell Metastasis", Cancer Research, 43: 2704-2711, 1983.				
	470	Ishai-Michaeli et al, "Importance of Size and Sulfation of Heparin in Release of Basic Fibroblast Growth Factor From the Vascular Endothelium and ExtraCellular Matrix", Biochemistry, 31(7): 2080-2088, 1992.				
	471	Ishai-Michaeli et al, "Heparanase Activity Expressed by Platelets, Neutrophils, and Lymphoma Cells releases Active Fibroblast Growth Factor from ExtraCellular Matrix", Cell Regulation, 1: 833-842, 1990.				
	472	Folkman et al. Angiogenic Factors", Science, 235: P. 442-447, 1987.				
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	473	Folkman et al. "A Heparin-Binding Angiogenic Protein - Basic Fibroblast Growth Factor - Is Stored Within Basement Membrane", Am. J. Pathology, 130(2): 393-400, 1988.			
	474	Parish et al. "Evidence That Sulphated Polysaccharides Inhibit Tumor Metastasis by Blocking Tumor-Cell-Derived Heparanases", Int. J. Cancer, 40: 511-517, 1987.			
	475	Gospodarowicz et al. "Permissive Effect of the ExtraCellular Matrix on Cell Proliferation In Vitro", Proc. Natl. Acad. Sci. USA., 77(7): 4094-4098, 1980.			
	476	Liotta et al. "Tumor Invasion and the ExtraCellular Matrix", Laboratory Investigation, 49(6): 636-647, 1983.			
	477	Nicolson, G.I., "Organ Specificity of Tumor Metastasis: Role of Preferential Adhesion, Invasion and Growth of Malignant Cells at Specific Secondary Sites", Cancer Met. Rev., 7: 143-188, 1988.			
	478	Nakajima et al. "Heparanases and Tumor Metastasis", Journal of Cellular Biochemistry, 36(2): 157-167, 1988.			
	479	Voldavsky et al. "Inhibition of Tumor Metastasis by Heparanase Inhibiting Species of Heparin", Invasion & Metastasis, 14(1-6): 290-302, 1994/95.			
	480	Voldavsky et al. "Expression of Heparanase by Platelets and Circulating Cells of the Immune System: Possible Involvement in Diapedesis and Extra Vasation", Invasion & Metastasis, 12(2): 112-127, 1992.			
	481	Ruoslahti et al. "Proteoglycans as Modulators of Growth Factor Activities", Cell, 64: 867-869, 1991.			
	482	Kjellen et al. "Proteoglycans: Structures and Interactions", Annual Reviews in Biochemistry, 60: 443-475, 1991.			
	483	Wight et al. "Cell Biology of Arterial Proteoglycans", Arteriosclerosis, 9(1): 1-20, 1989.			
	484	Jackson et al. "Glycosaminoglycans: Molecular Properties, Protein Interactions, and Role in Physiological Processes", Physiological Reviews, 71(2): 481-539, 1991.			
	485	Wight et al. "The Role of Proteoglycans in Cell Adhesion, Migration and Proliferation", Current Opinion in Cell Biology, 4: 793-801, 1992.			

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